SEQUENCE SUBMISSION

SEQ ID NO: 1 provides a primate IL-174 polynucleotide sequence.
SEQ ID NO: 2 provides a primate IL-174 polypeptide sequence.
SEQ ID NO: 3 provides a murine IL-174 polynucleotide sequence.
SEQ ID NO: 4 provides a murine IL-174 polypeptide sequence.

<110> Hurst, Stephen D.
Zurawski, Sandra M.
Rennick, Donna M.

<120> Cytokine Uses; Compositions; Methods

<130> DX01088K

<140>
<141>

<150> US 60/198,488
<151> 2000-04-18

<160> 4

<170> PatentIn Ver. 2.0

<210> 1
<211> 504
<212> DNA
<213> primate

<220>
<221> CDS
<222> (19)..(501)

<220>
<221> mat_peptide
<222> (67)..(501)

<400> 1

```
tgagtgtgca gtgccagc atg tac cag gtg gtt gca ttc ttg gca atg gtc   51
                    Met Tyr Gln Val Val Ala Phe Leu Ala Met Val
                        -15                 -10

atg gga acc cac acc tac agc cac tgg ccc agc tgc tgc ccc agc aaa   99
Met Gly Thr His Thr Tyr Ser His Trp Pro Ser Cys Cys Pro Ser Lys
 -5              -1   1               5                  10

ggg cag gac acc tct gag gag ctg ctg agg tgg agc act gtg cct gtg   147
Gly Gln Asp Thr Ser Glu Glu Leu Leu Arg Trp Ser Thr Val Pro Val
             15                  20                  25

cct ccc cta gag cct gct agg ccc aac cgc cac cca gag tcc tgt agg   195
Pro Pro Leu Glu Pro Ala Arg Pro Asn Arg His Pro Glu Ser Cys Arg
         30                  35                  40

gcc agt gaa gat gga ccc ctc aac agc agg gcc atc tcc ccc tgg aga   243
Ala Ser Glu Asp Gly Pro Leu Asn Ser Arg Ala Ile Ser Pro Trp Arg
     45                  50                  55
```

```
tat gag ttg gac aga gac ttg aac cgg ctc ccc cag gac ctg tac cac   291
Tyr Glu Leu Asp Arg Asp Leu Asn Arg Leu Pro Gln Asp Leu Tyr His
 60                  65                  70                  75

gcc cgt tgc ctg tgc ccg cac tgc gtc agc cta cag aca ggc tcc cac   339
Ala Arg Cys Leu Cys Pro His Cys Val Ser Leu Gln Thr Gly Ser His
                 80                  85                  90

atg gac ccc cgg ggc aac tcg gag ctg ctc tac cac aac cag act gtc   387
Met Asp Pro Arg Gly Asn Ser Glu Leu Leu Tyr His Asn Gln Thr Val
             95                 100                 105

ttc tac cgg cgg cca tgc cat ggc gag aag ggc acc cac aag ggc tac   435
Phe Tyr Arg Arg Pro Cys His Gly Glu Lys Gly Thr His Lys Gly Tyr
        110                 115                 120

tgc ctg gag cgc agg ctg tac cgt gtt tcc tta gct tgt gtg tgt gtg   483
Cys Leu Glu Arg Arg Leu Tyr Arg Val Ser Leu Ala Cys Val Cys Val
    125                 130                 135

cgg ccc cgt gtg atg ggc tag                                     504
Arg Pro Arg Val Met Gly
140                 145
```

<210> 2
<211> 161
<212> PRT
<213> primate

<400> 2

```
Met Tyr Gln Val Val Ala Phe Leu Ala Met Val Met Gly Thr His Thr
    -15                 -10                  -5                  -1

Tyr Ser His Trp Pro Ser Cys Cys Pro Ser Lys Gly Gln Asp Thr Ser
  1                 5                  10                  15

Glu Glu Leu Leu Arg Trp Ser Thr Val Pro Val Pro Pro Leu Glu Pro
             20                  25                  30

Ala Arg Pro Asn Arg His Pro Glu Ser Cys Arg Ala Ser Glu Asp Gly
        35                  40                  45

Pro Leu Asn Ser Arg Ala Ile Ser Pro Trp Arg Tyr Glu Leu Asp Arg
    50                  55                  60

Asp Leu Asn Arg Leu Pro Gln Asp Leu Tyr His Ala Arg Cys Leu Cys
65                  70                  75                  80

Pro His Cys Val Ser Leu Gln Thr Gly Ser His Met Asp Pro Arg Gly
                85                  90                  95

Asn Ser Glu Leu Leu Tyr His Asn Gln Thr Val Phe Tyr Arg Arg Pro
            100                 105                 110

Cys His Gly Glu Lys Gly Thr His Lys Gly Tyr Cys Leu Glu Arg Arg
        115                 120                 125

Leu Tyr Arg Val Ser Leu Ala Cys Val Cys Val Arg Pro Arg Val Met
```

130 135 140

Gly
145

<210> 3
<211> 985
<212> DNA
<213> rodent

<220>
<221> CDS
<222> (1)..(507)

<220>
<221> mat_peptide
<222> (49)..(507)

<400> 3

```
atg tac cag gct gtt gca ttc ttg gca atg atc gtg gga acc cac acc   48
Met Tyr Gln Ala Val Ala Phe Leu Ala Met Ile Val Gly Thr His Thr
    -15                 -10                 -5                 -1

gtc agc ttg cgg atc cag gag ggc tgc agt cac ttg ccc agc tgc tgc   96
Val Ser Leu Arg Ile Gln Glu Gly Cys Ser His Leu Pro Ser Cys Cys
  1               5                  10                  15

ccc agc aaa gag caa gaa ccc ccg gag gag tgg ctg aag tgg agc tct   144
Pro Ser Lys Glu Gln Glu Pro Pro Glu Glu Trp Leu Lys Trp Ser Ser
            20                  25                  30

gca tct gtg tcc ccc cca gag cct ctg agc cac acc cac cac gca gaa   192
Ala Ser Val Ser Pro Pro Glu Pro Leu Ser His Thr His His Ala Glu
        35                  40                  45

tcc tgc agg gcc agc aag gat ggc ccc ctc aac agc agg gcc atc tct   240
Ser Cys Arg Ala Ser Lys Asp Gly Pro Leu Asn Ser Arg Ala Ile Ser
    50                  55                  60

cct tgg agc tat gag ttg gac agg gac ttg aat cgg gtc ccc cag gac   288
Pro Trp Ser Tyr Glu Leu Asp Arg Asp Leu Asn Arg Val Pro Gln Asp
65                  70                  75                  80

ctg tac cac gct cga tgc ctg tgc cca cac tgc gtc agc cta cag aca   336
Leu Tyr His Ala Arg Cys Leu Cys Pro His Cys Val Ser Leu Gln Thr
                85                  90                  95

ggc tcc cac atg gac ccg ctg ggc aac tcc gtc cca ctt tac cac aac   384
Gly Ser His Met Asp Pro Leu Gly Asn Ser Val Pro Leu Tyr His Asn
            100                 105                 110

cag acg gtc ttc tac cgg cgg cca tgc cat ggt gag gaa ggt acc cat   432
Gln Thr Val Phe Tyr Arg Arg Pro Cys His Gly Glu Glu Gly Thr His
        115                 120                 125

cgc cgc tac tgc ttg gag cgc agg ctc tac cga gtc tcc ttg gct tgt   480
Arg Arg Tyr Cys Leu Glu Arg Arg Leu Tyr Arg Val Ser Leu Ala Cys
    130                 135                 140
```

gtg tgt gtg cgg ccc cgg gtc atg gct tagtcatgct caccacctgc 527
Val Cys Val Arg Pro Arg Val Met Ala
145 150

ctgaggctga tgcccggttg ggagagaggg ccaggtgtac aatcaccttg ccaatgcggg 587

ccgggttcaa gccctccaaa gccctacctg aagcagcagg ctcccgggac aagatggagg 647

acttggggag aaactctgac ttttgcactt tttggaagca cttttgggaa ggagcaggtt 707

ccgcttgtgc tgctagagga tgctgttgtg gcatttctac tcaggaacgg actccaaagg 767

cctgctgacc ctggaagcca tactcctggc tcctttcccc tgaatccccc aactcctggc 827

acaggcactt tctccacctc tccccctttg ccttttgttg tgtttgtttg tgcatgccaa 887

ctctgcgtgc agccaggtgt aattgccttg aaggatggtt ctgaggtgaa agctgttatc 947

gaaagtgaag agatttatcc aaataaacat ctgtgttt 985

<210> 4
<211> 169
<212> PRT
<213> rodent

<400> 4
Met Tyr Gln Ala Val Ala Phe Leu Ala Met Ile Val Gly Thr His Thr
-15 -10 -5 -1

Val Ser Leu Arg Ile Gln Glu Gly Cys Ser His Leu Pro Ser Cys Cys
1 5 10 15

Pro Ser Lys Glu Gln Glu Pro Pro Glu Glu Trp Leu Lys Trp Ser Ser
20 25 30

Ala Ser Val Ser Pro Pro Glu Pro Leu Ser His Thr His His Ala Glu
35 40 45

Ser Cys Arg Ala Ser Lys Asp Gly Pro Leu Asn Ser Arg Ala Ile Ser
50 55 60

Pro Trp Ser Tyr Glu Leu Asp Arg Asp Leu Asn Arg Val Pro Gln Asp
65 70 75 80

Leu Tyr His Ala Arg Cys Leu Cys Pro His Cys Val Ser Leu Gln Thr
85 90 95

Gly Ser His Met Asp Pro Leu Gly Asn Ser Val Pro Leu Tyr His Asn
100 105 110

Gln Thr Val Phe Tyr Arg Arg Pro Cys His Gly Glu Glu Gly Thr His
115 120 125

Arg Arg Tyr Cys Leu Glu Arg Arg Leu Tyr Arg Val Ser Leu Ala Cys
130 135 140

Val Cys Val Arg Pro Arg Val Met Ala
145 150